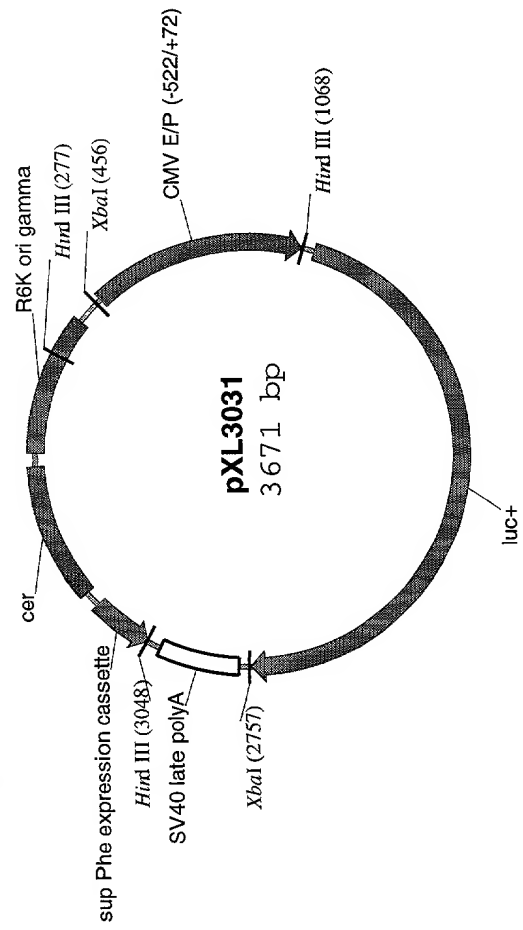
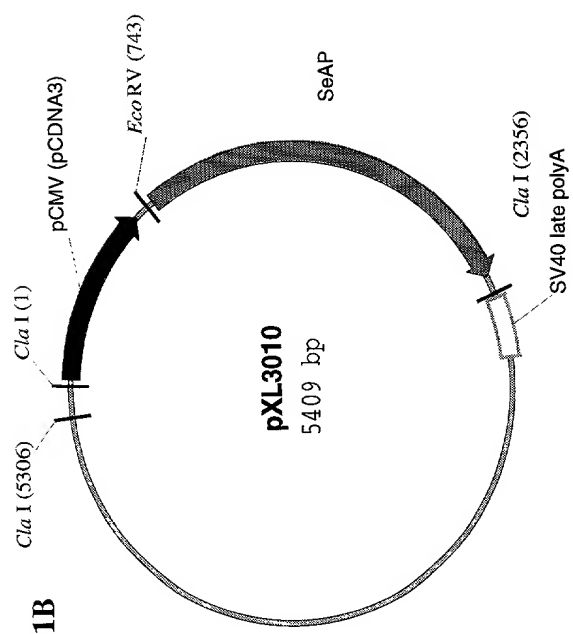


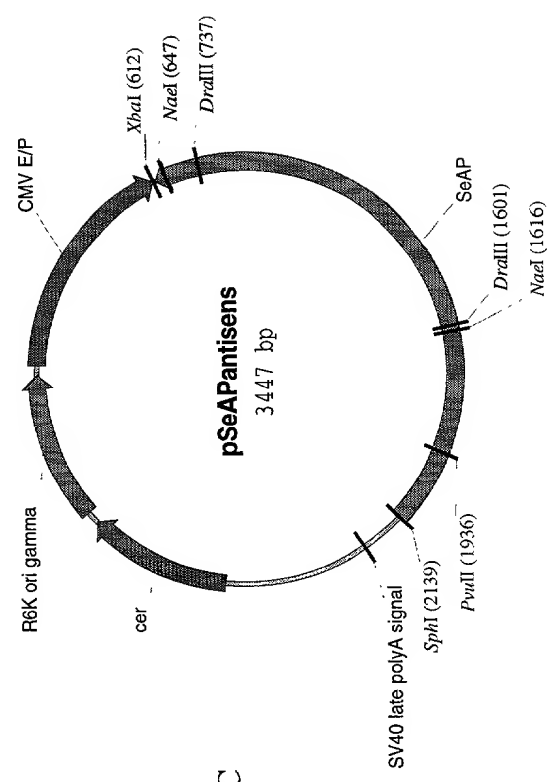
**FIGURE 1A**



**FIGURE 1B**



**FIGURE 1C**



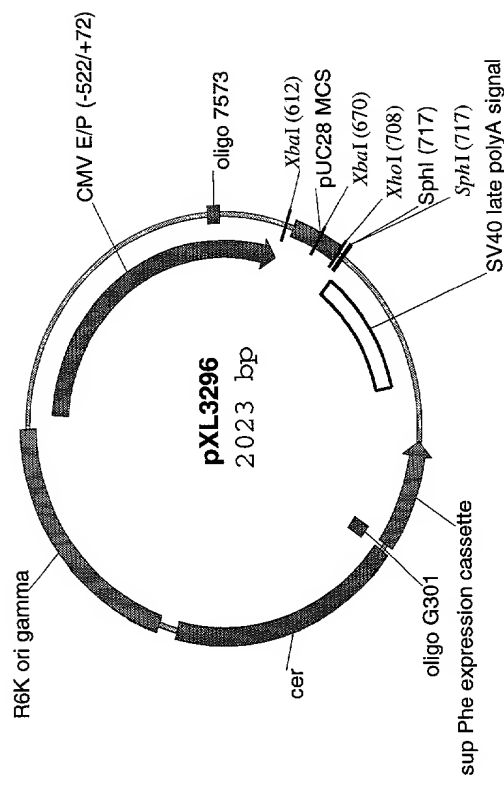


FIGURE 1D

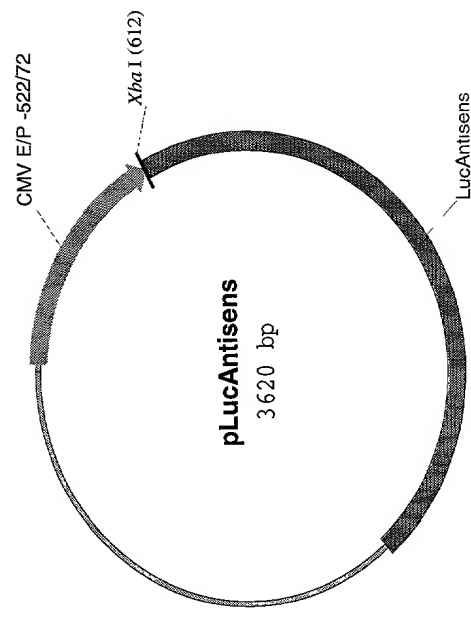


FIGURE 1E

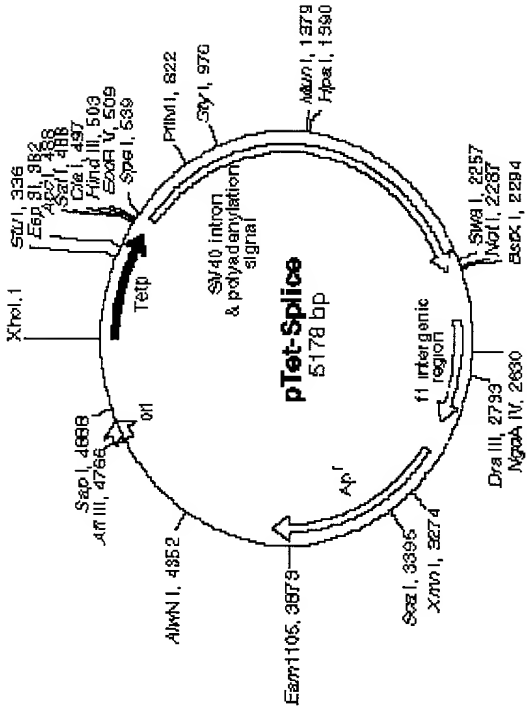


FIGURE 2A

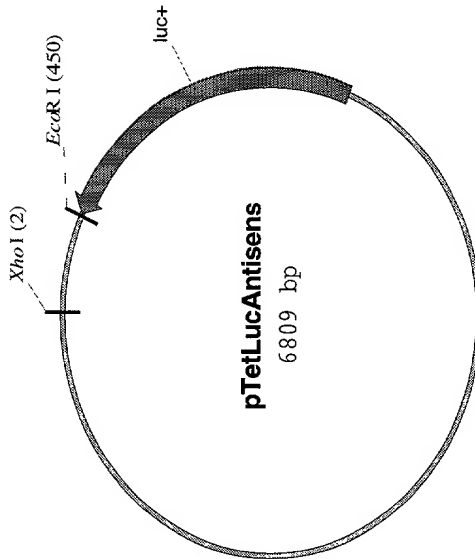


FIGURE 2B

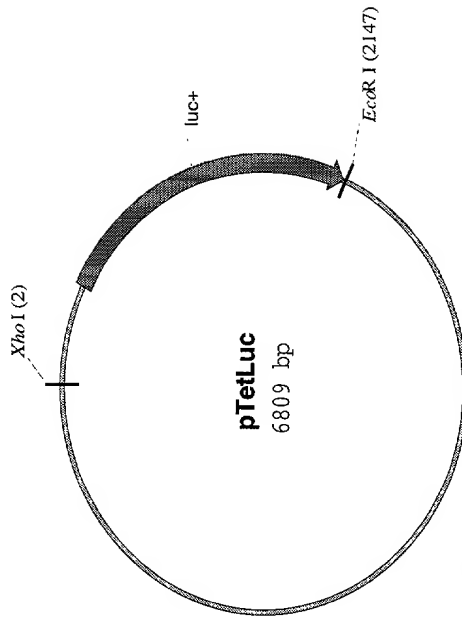


FIGURE 2C

4/31

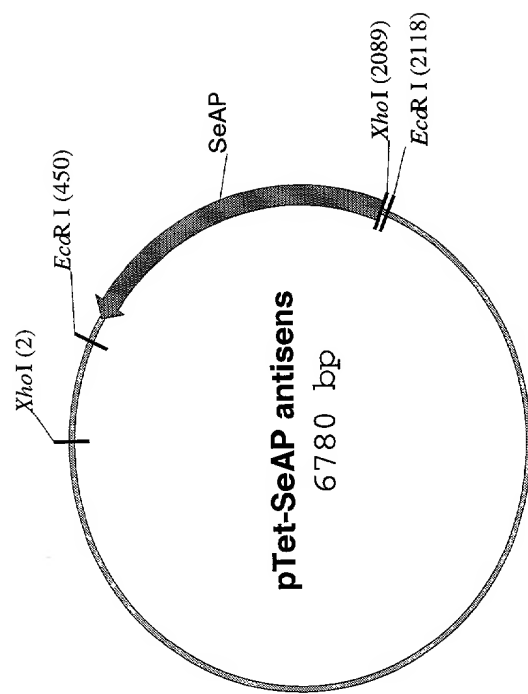


FIGURE 2D

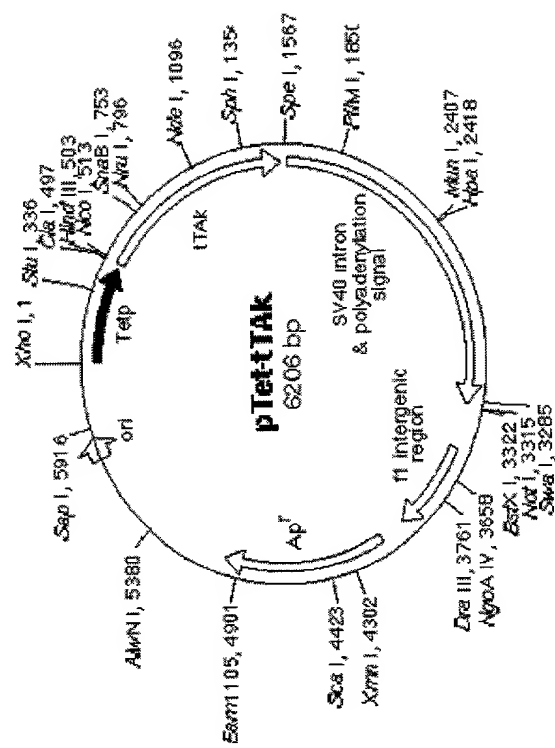


FIGURE 2E

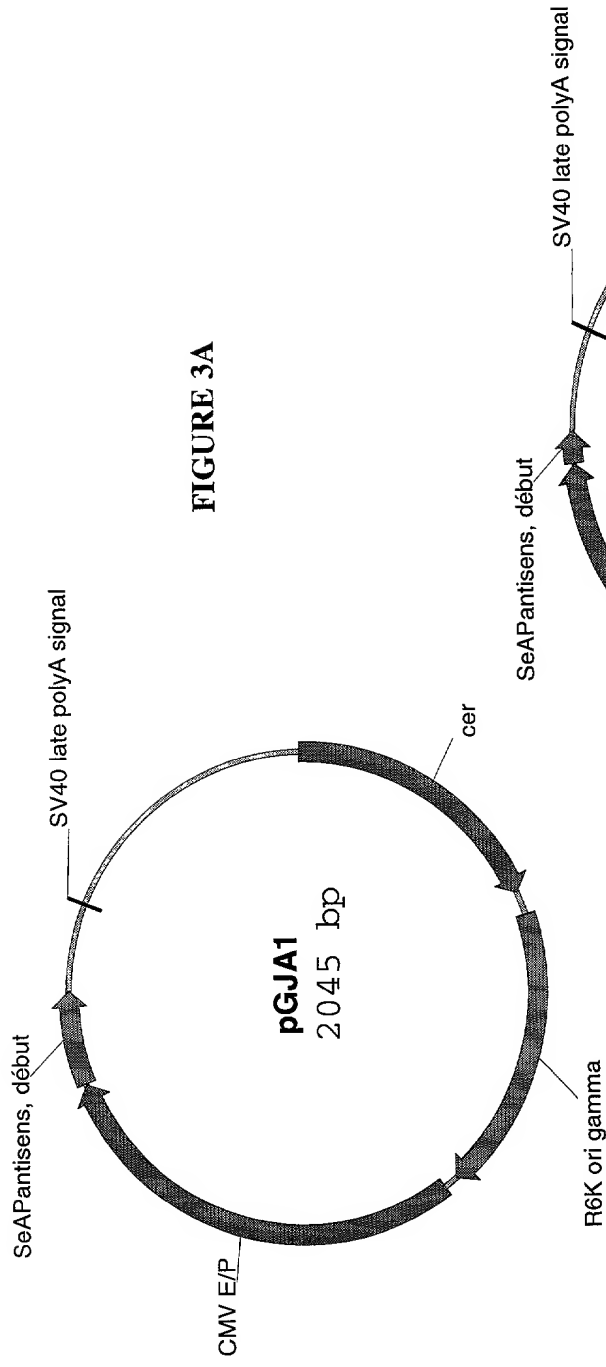


FIGURE 3A

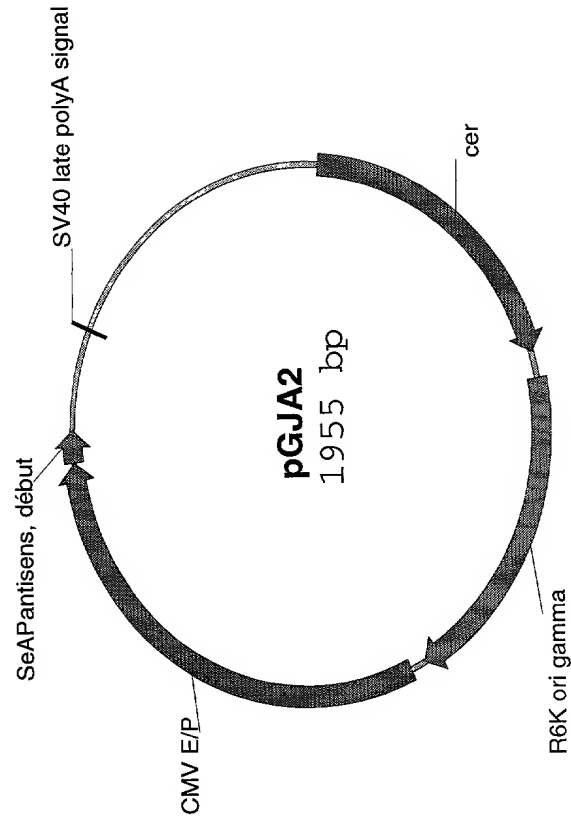


FIGURE 3B

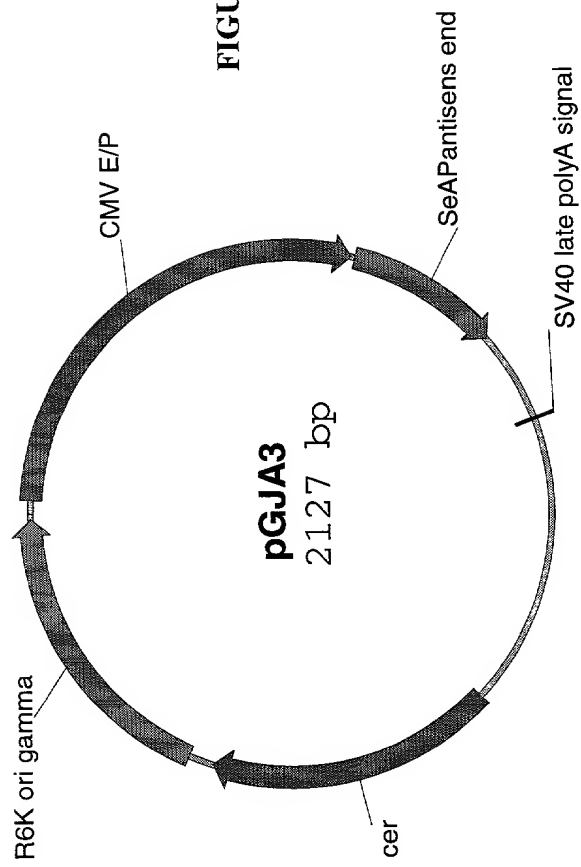


FIGURE 3C

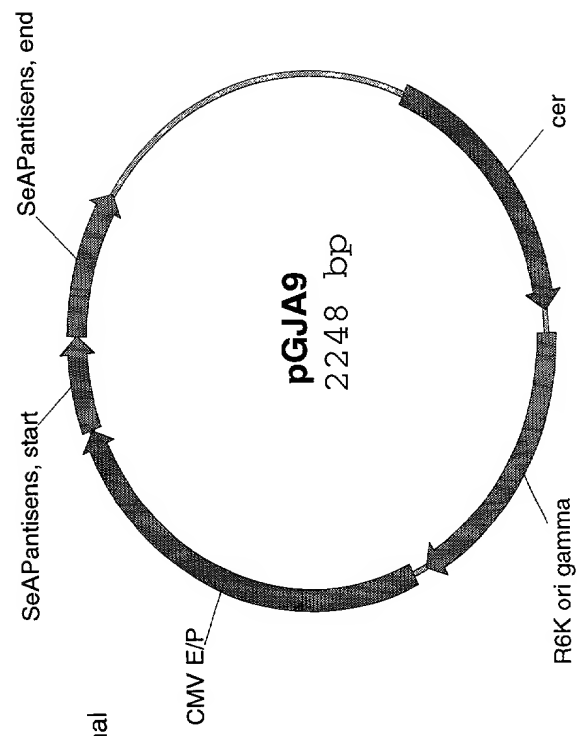


FIGURE 3D

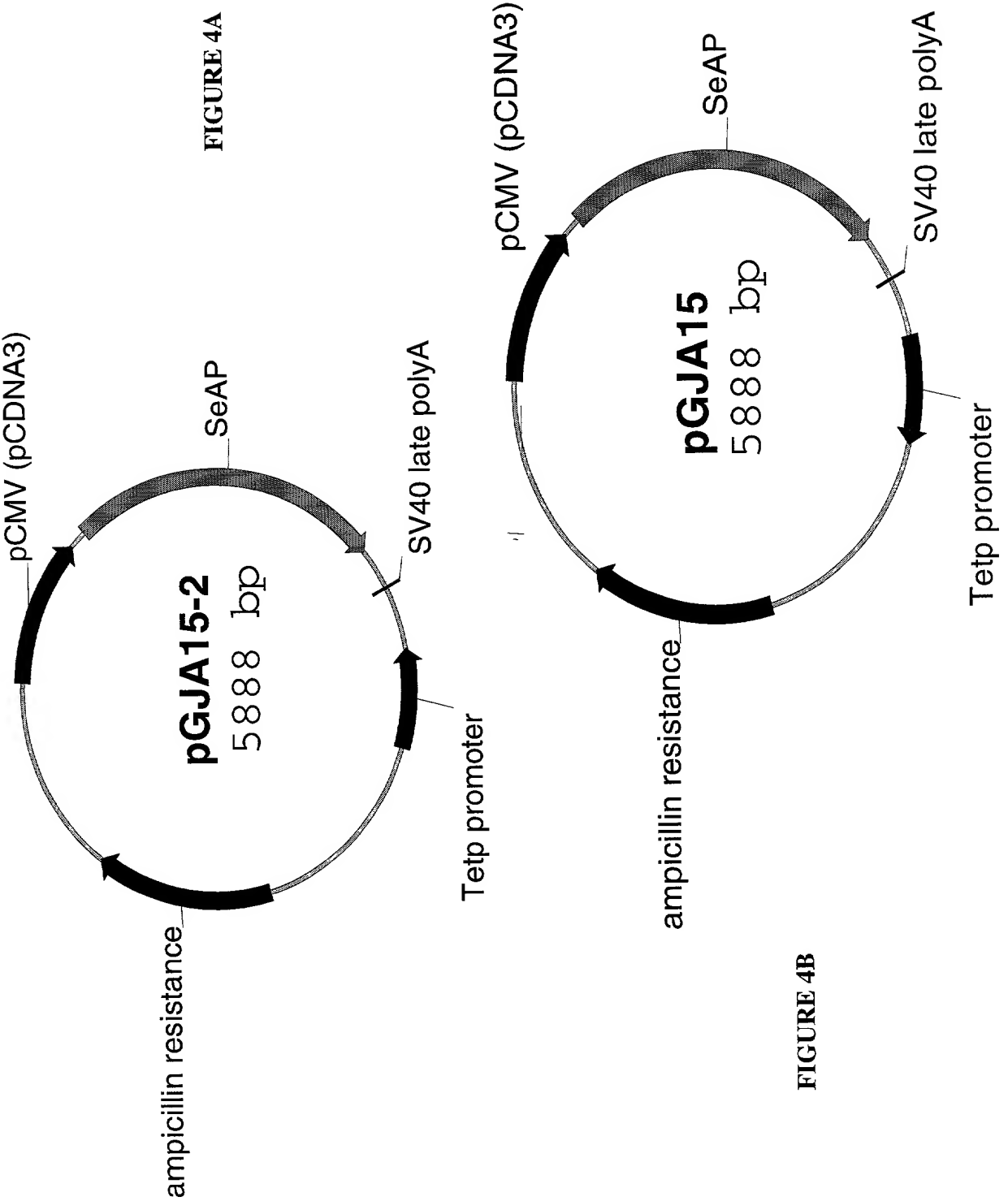


FIGURE 4A

FIGURE 4B

8/31

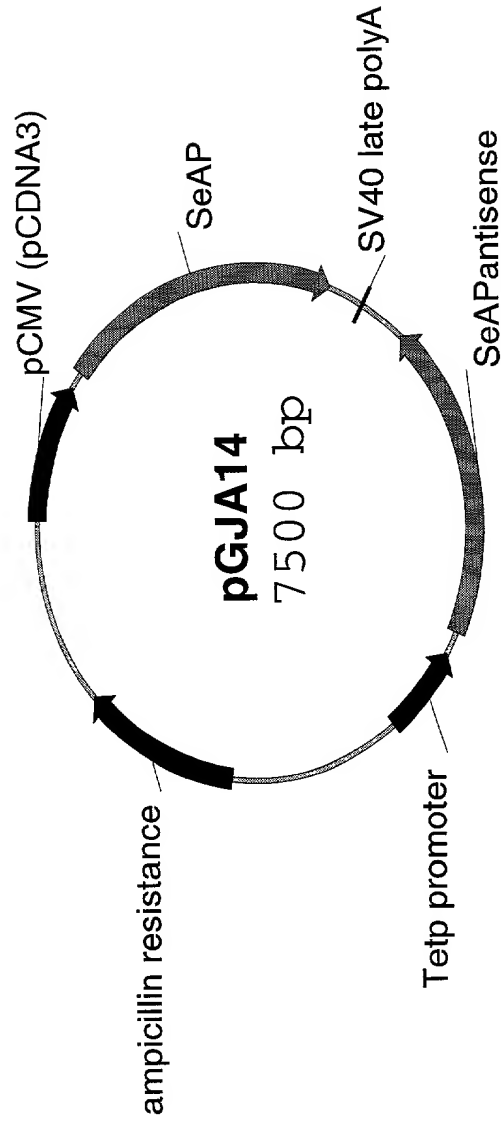


FIGURE 4C

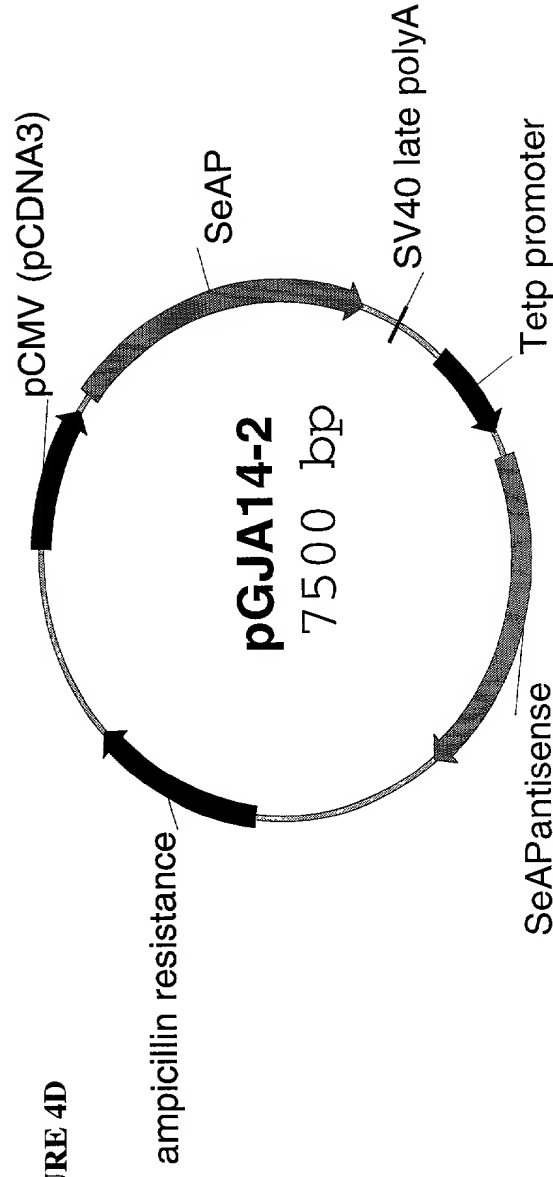
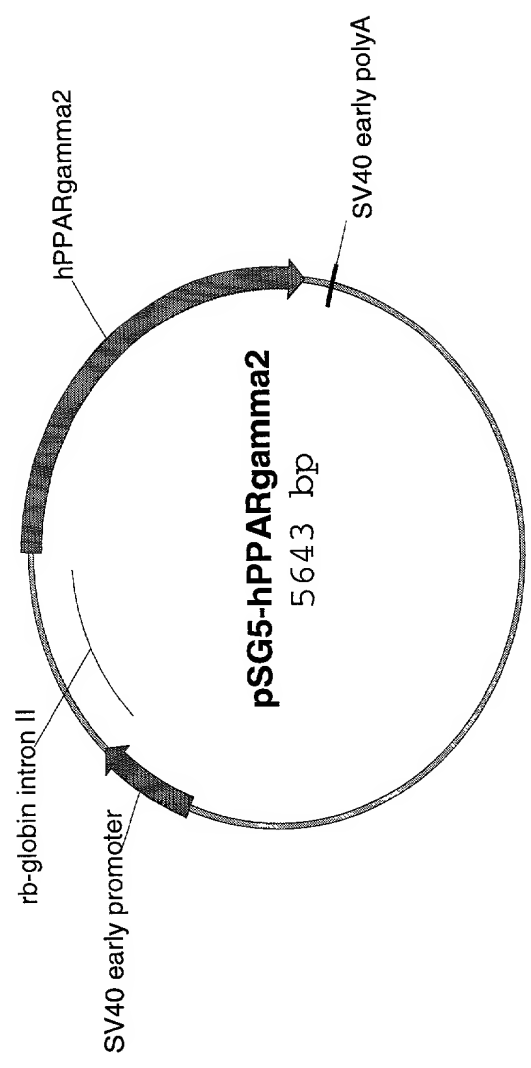


FIGURE 4D



9/31

**FIGURE 5A**



**FIGURE 5B**

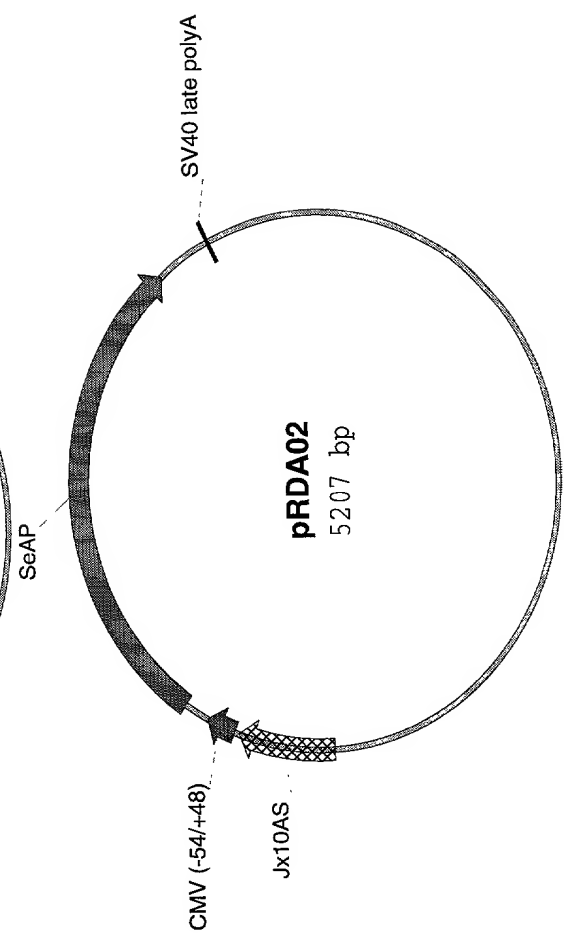


FIGURE 6A

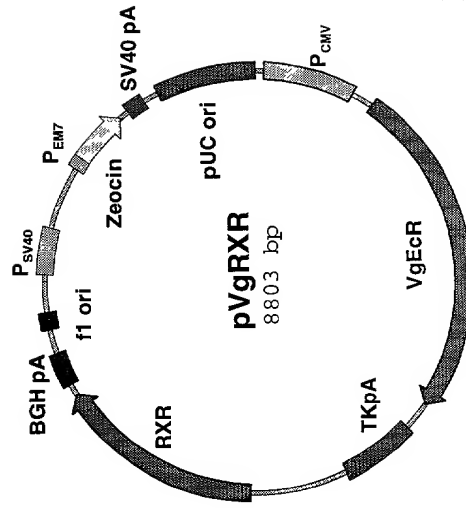
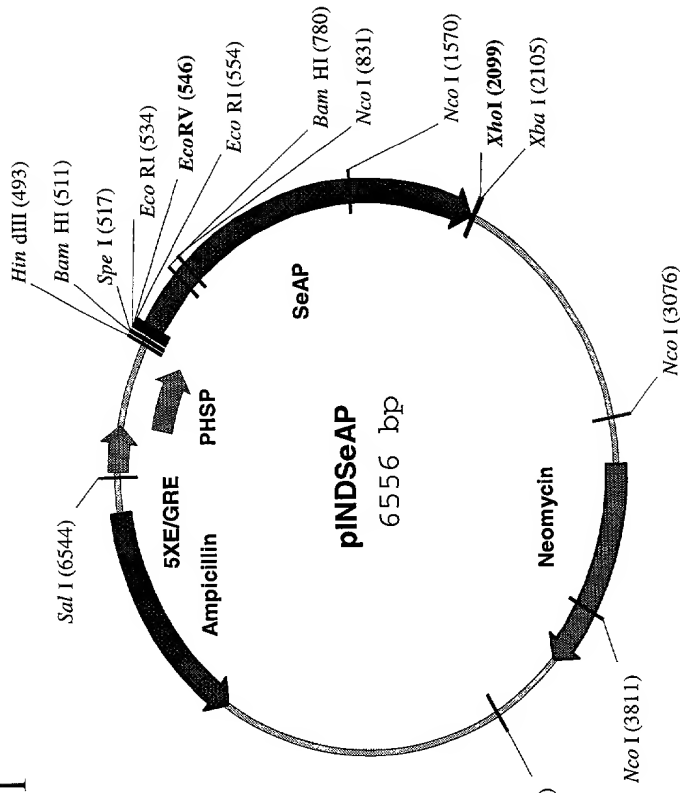
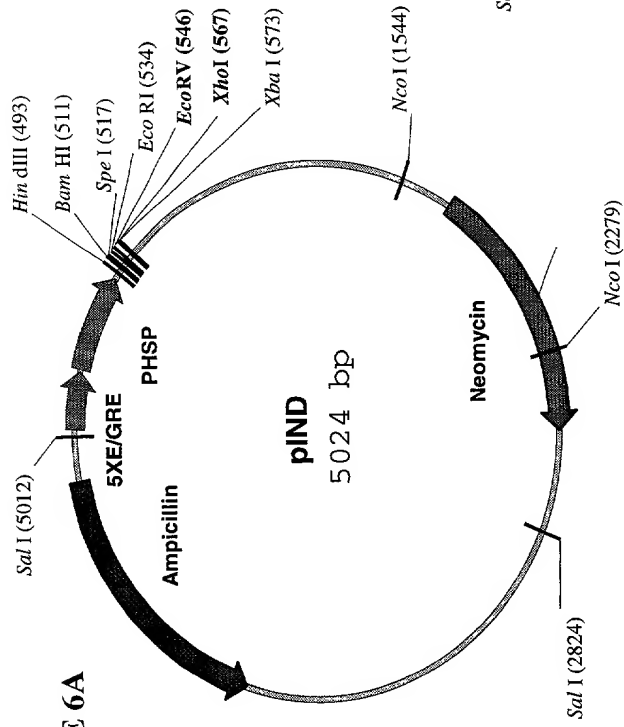


FIGURE 6B

FIGURE 6C

FIGURE 7A

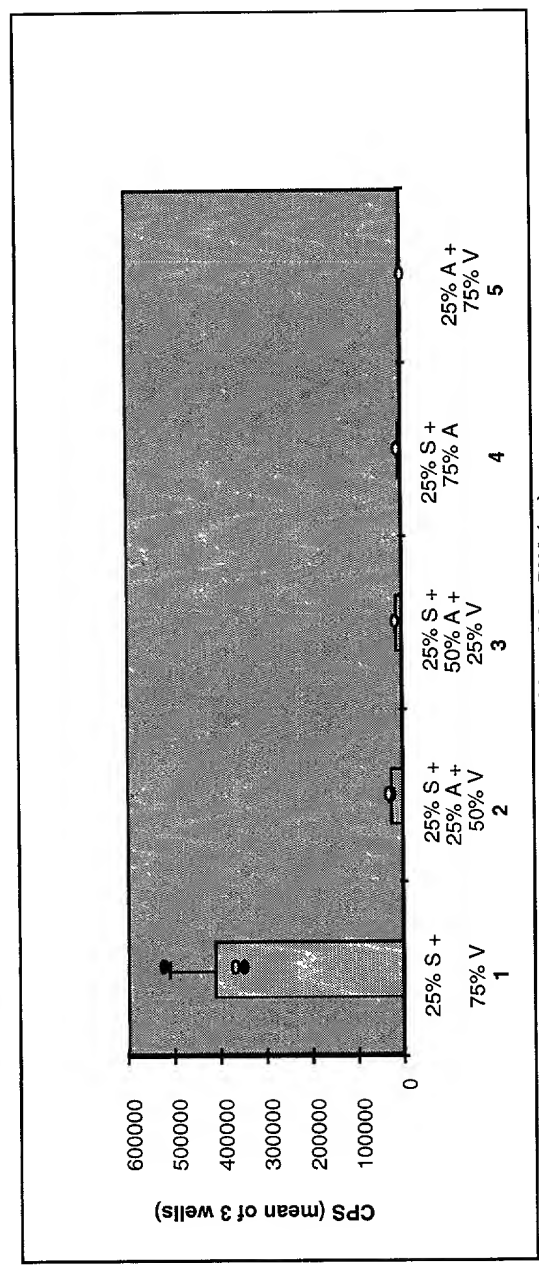
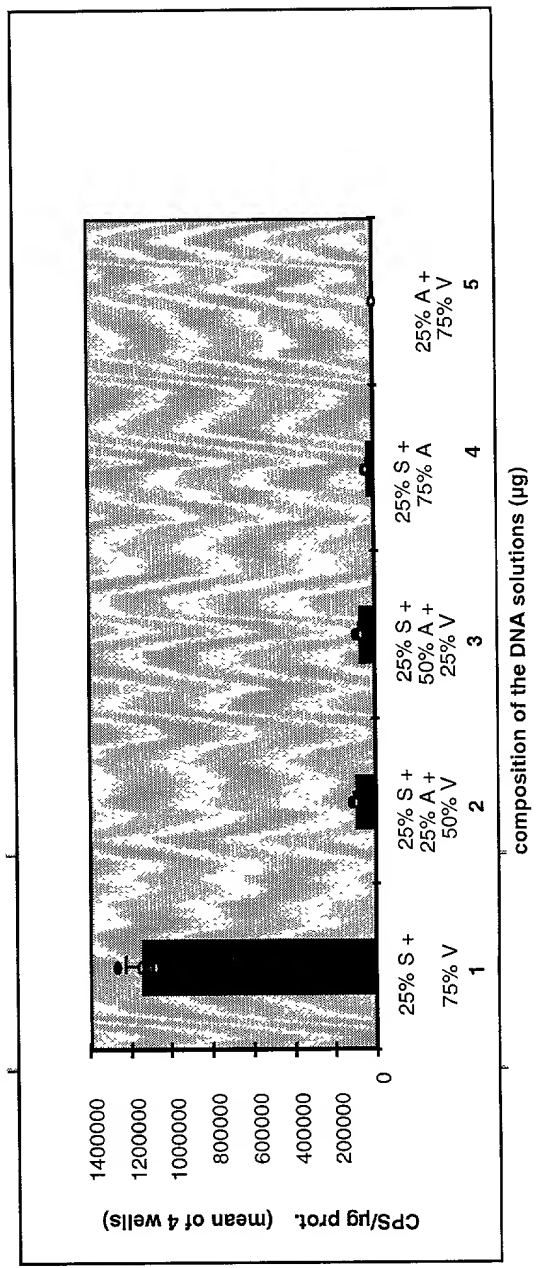


FIGURE 7B



12/31

FIGURE 8

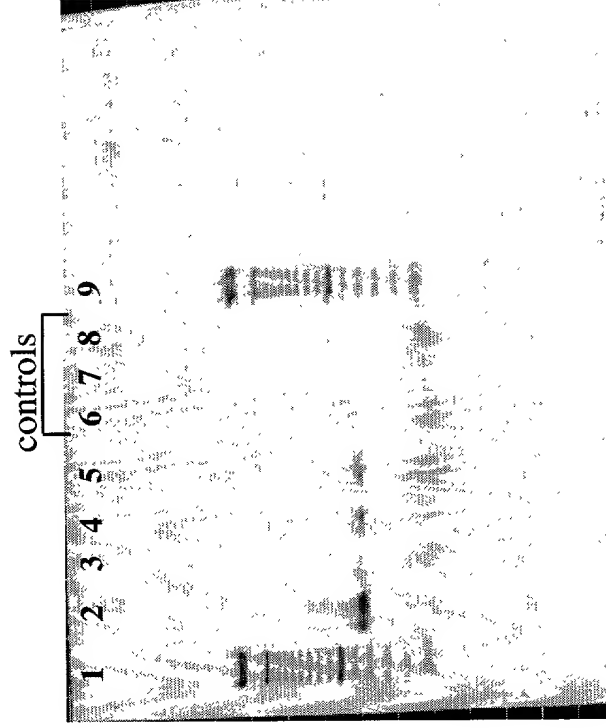


FIGURE 9A

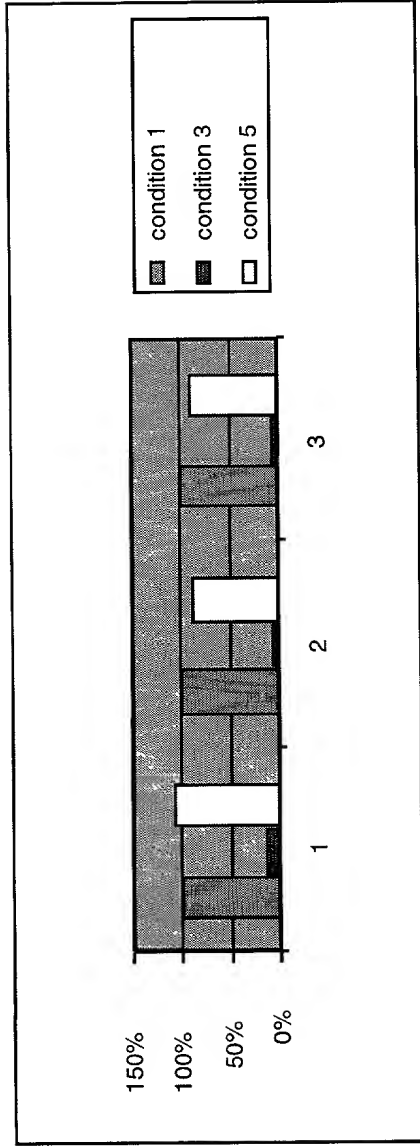


FIGURE 9B

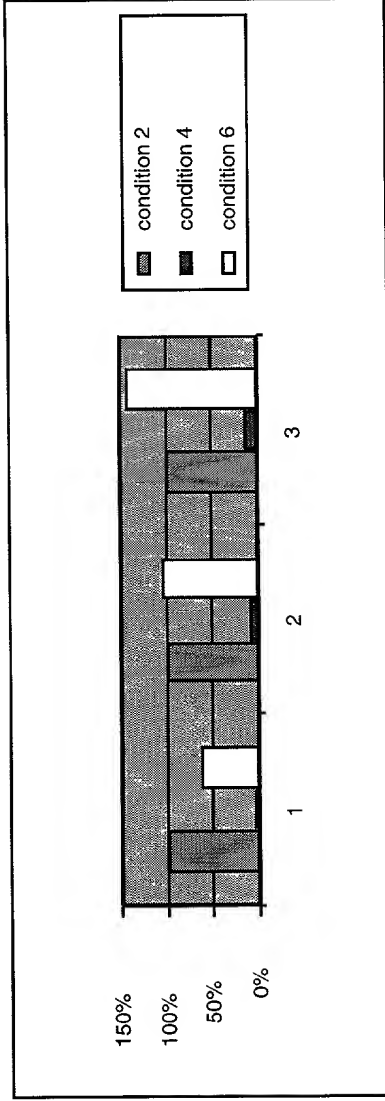


FIGURE 10

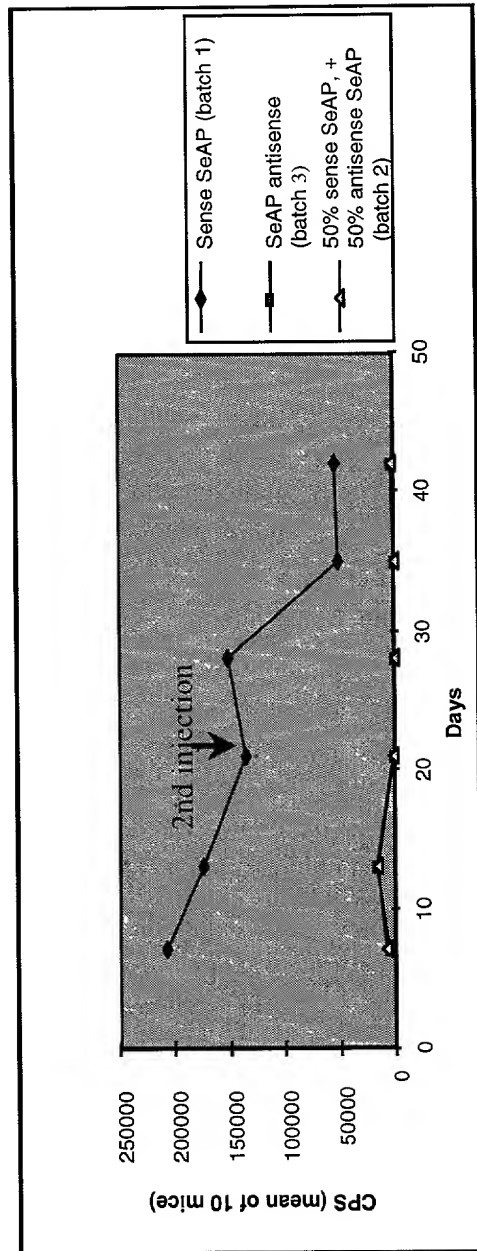


FIGURE 11A

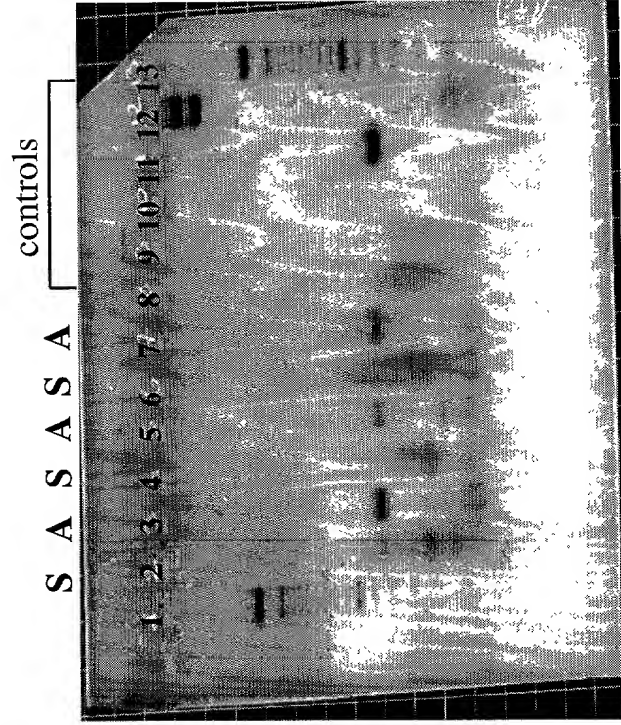
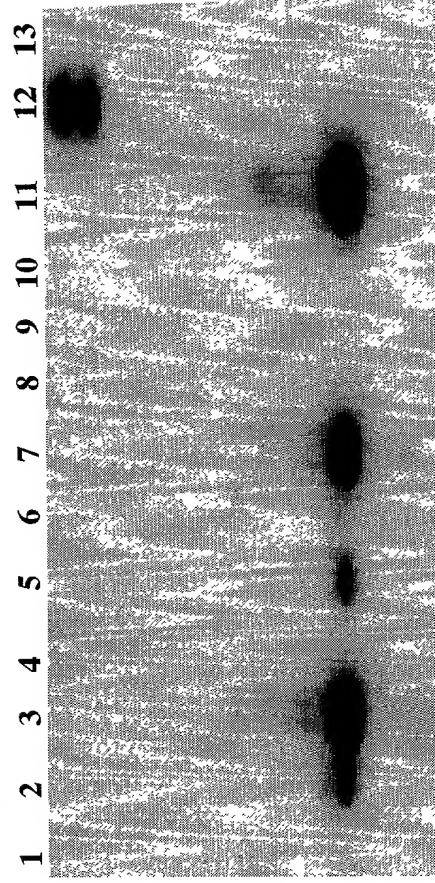


FIGURE 11B



16/31

FIGURE 12

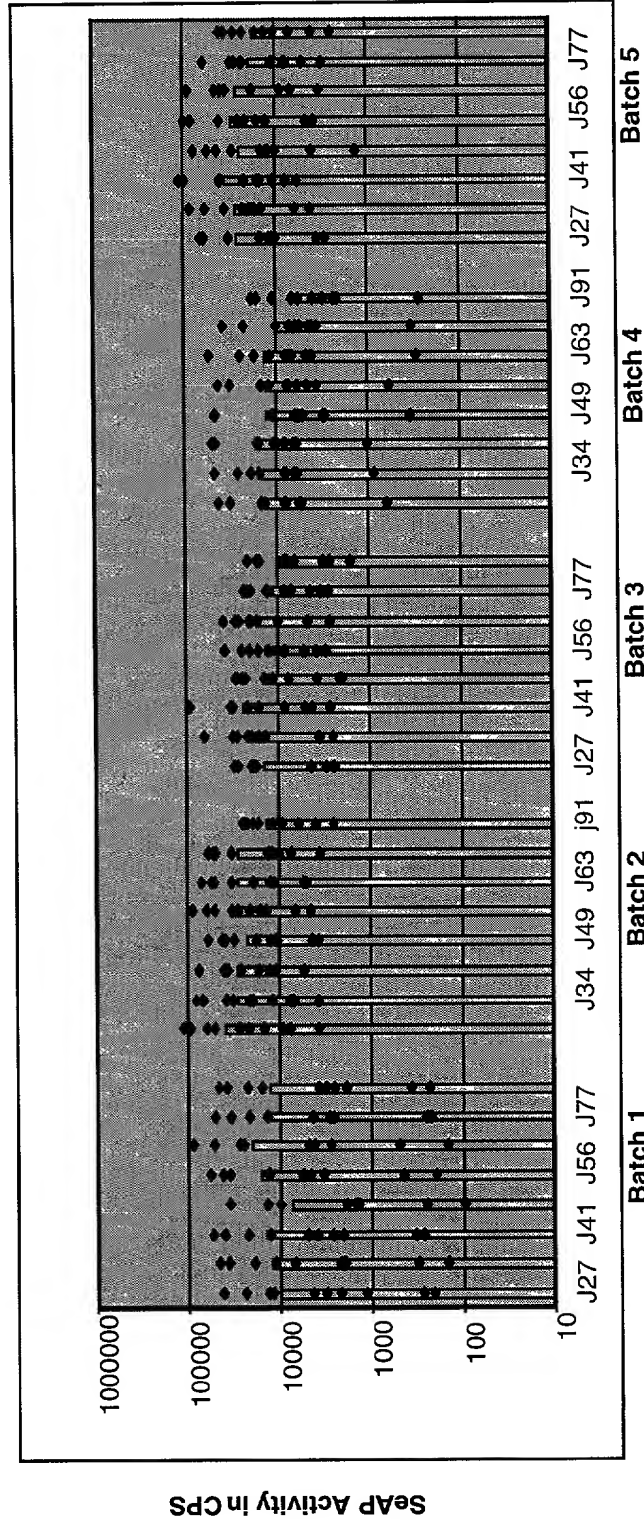






FIGURE 14A

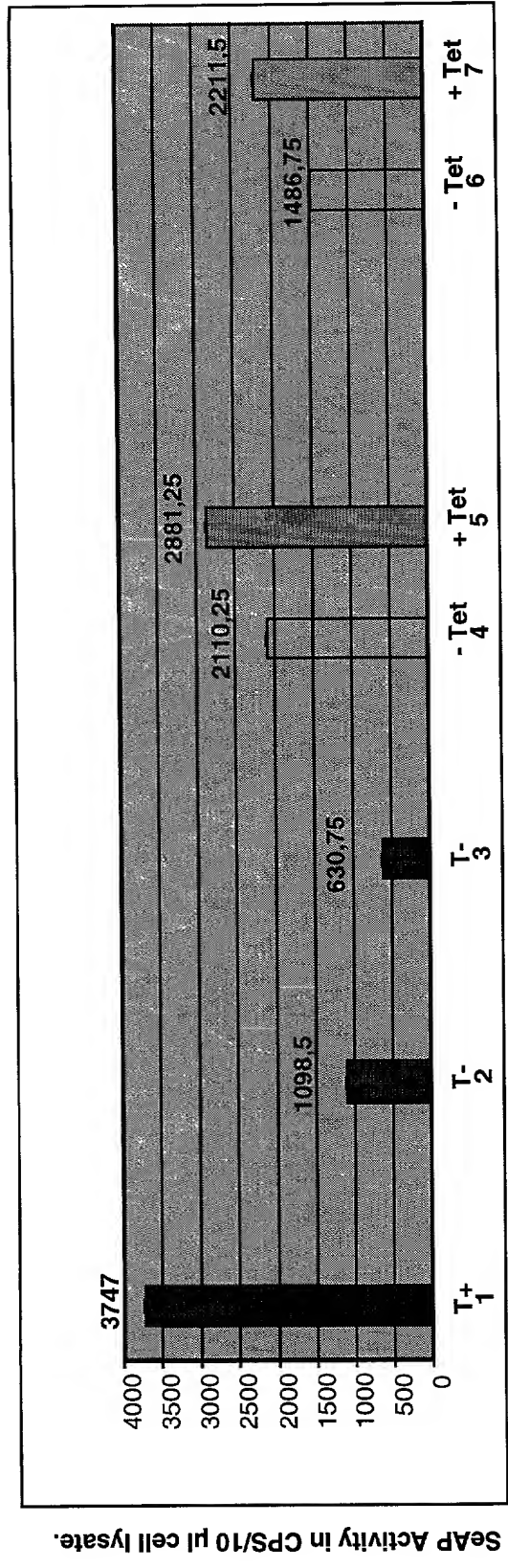
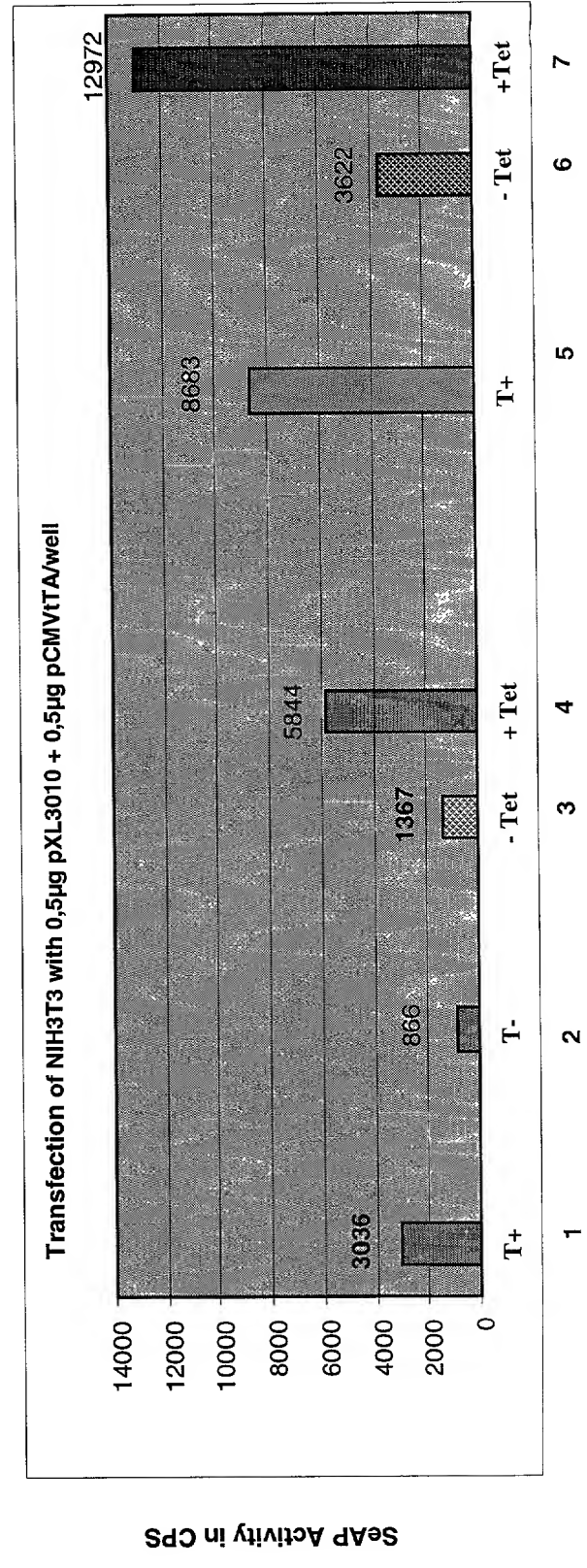


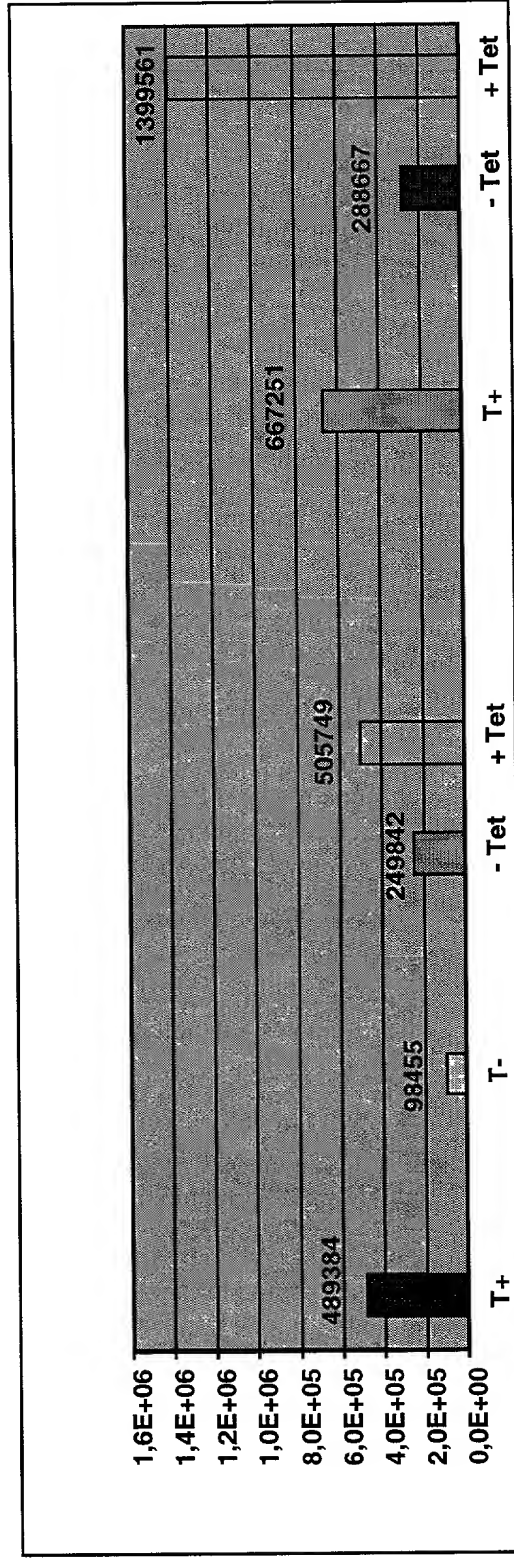
FIGURE 14B



19/31

FIGURE 15

Luciferase Activity in CPS/ $\mu$ g protein



20/31

FIGURE  
16A

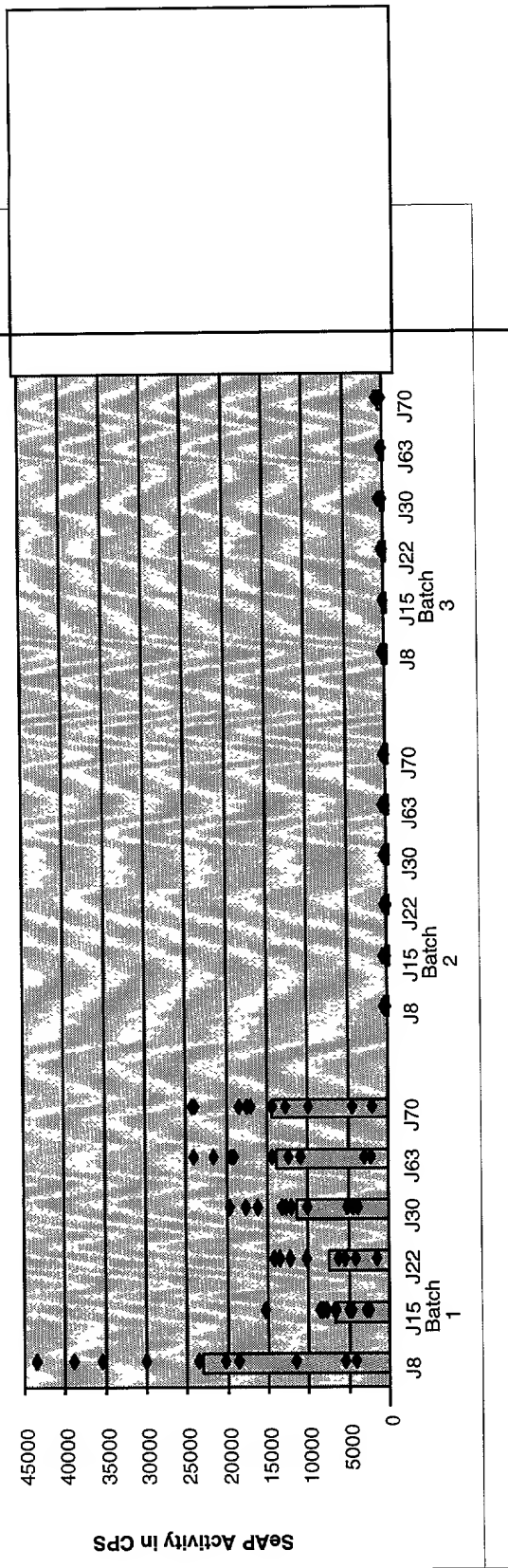
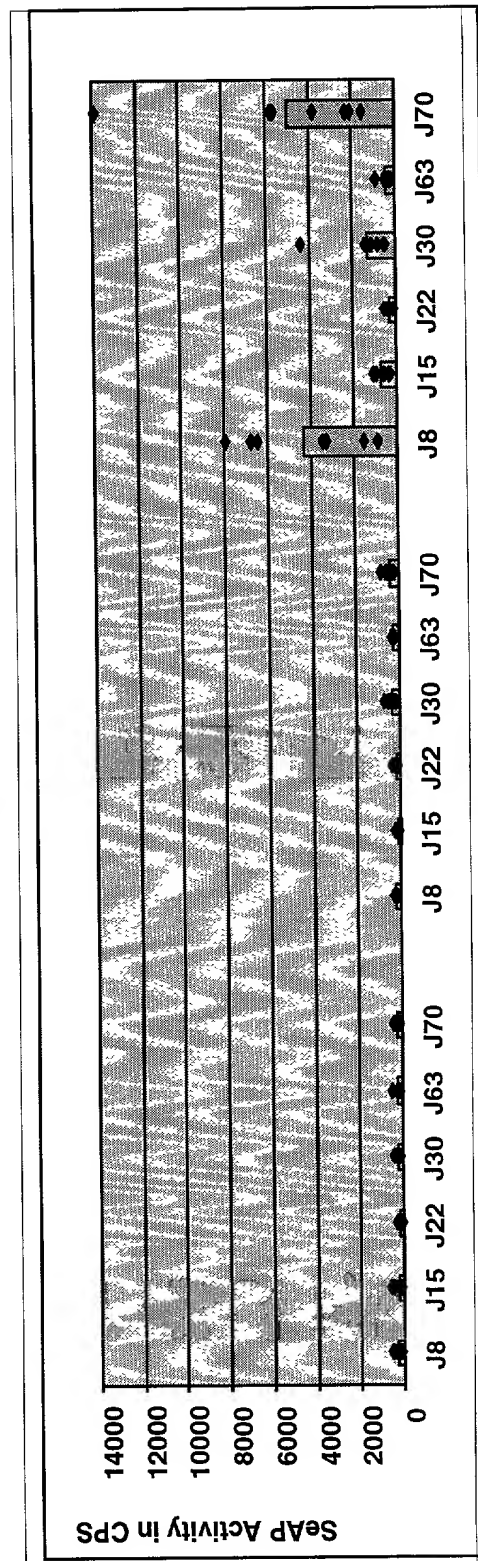
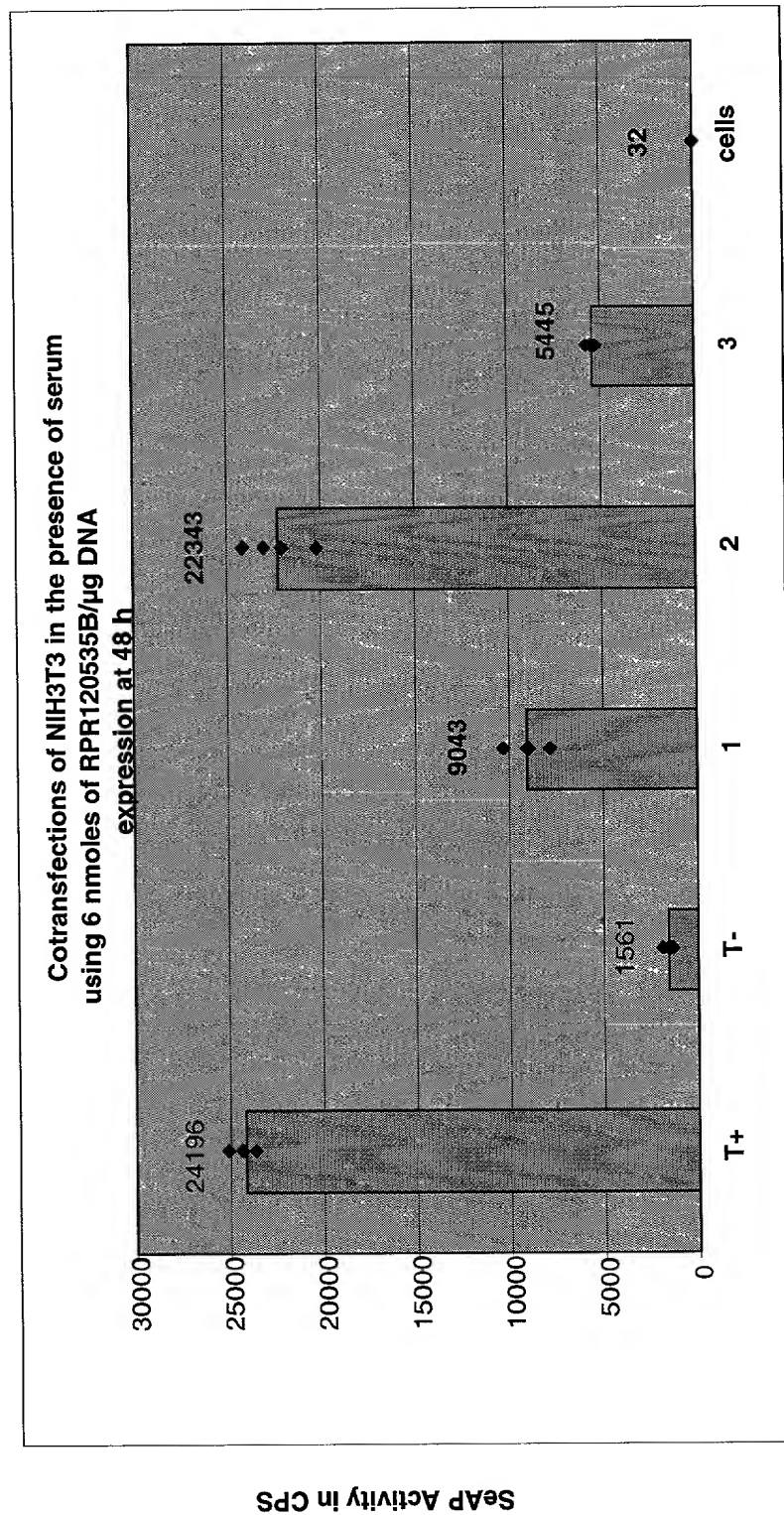


FIGURE 16B



21/31

**FIGURE 17**



22/31

## FIGURE 18

Expression of SeAP 48h after cotransfection of NIH3T3s  
using 6 nmol of RPR120535B/ $\mu$ g of DNA

In the presence of serum

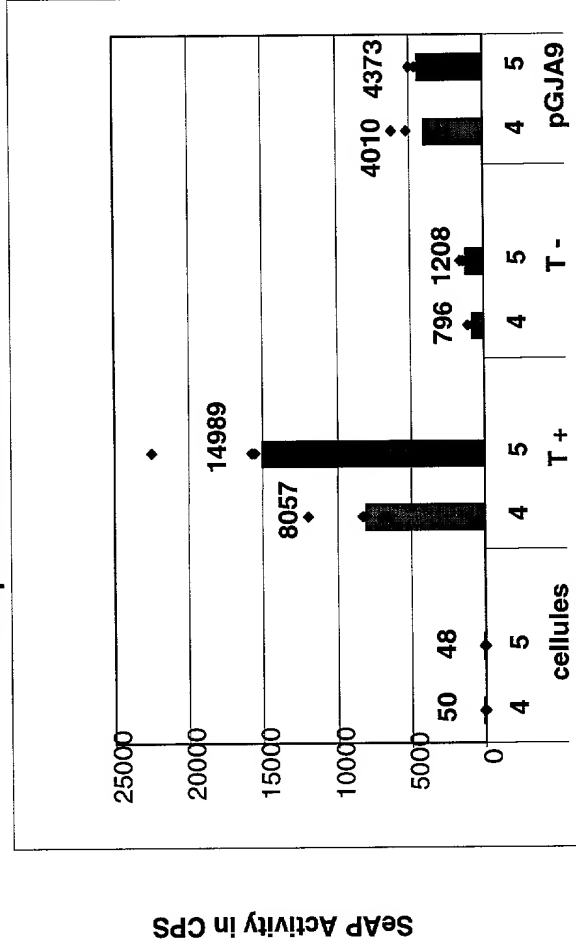


FIGURE 19: Summarizing table of inhibition experiments with antisense transcripts of different lengths

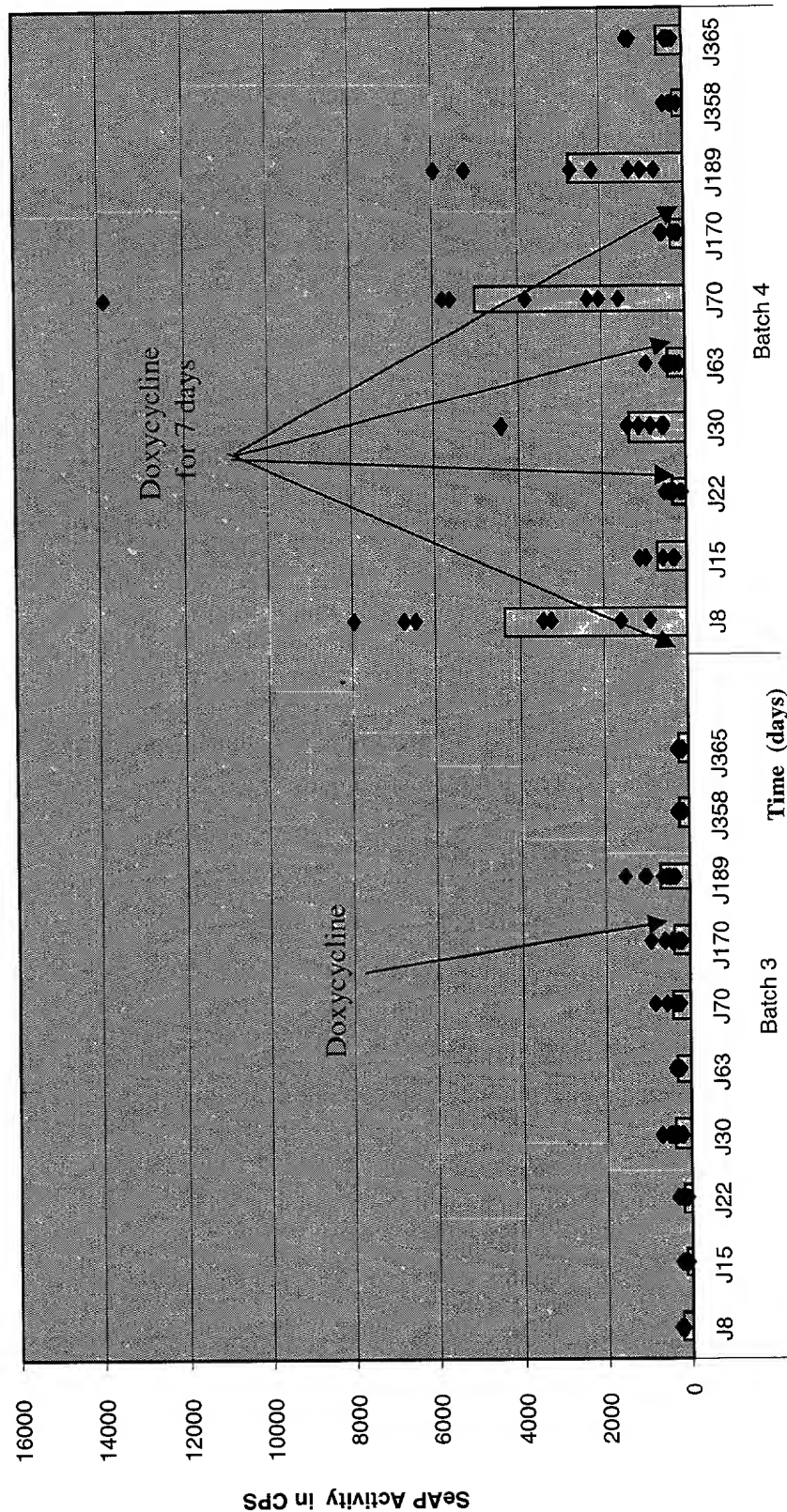
Percentage inhibition of SeAP activity								
	size (pb)	antisense (pb)	Conserved sequence	Exp. 1	Exp. 2	Exp. 3	Exp. 4	Exp. 5
pSeAPAS	3447	1527						
pGJA1	2045	125	3' end of SeAP	70	85	94	90	92
pGJA2	1955	35	5' end of SeAP	24	52	63		
pGJA3	2123	203	5' end of SeAP	14	0	8		
pGJA9	2248	125 +203	2 ends	72	76	77	50	71



24/31

FIGURE 20

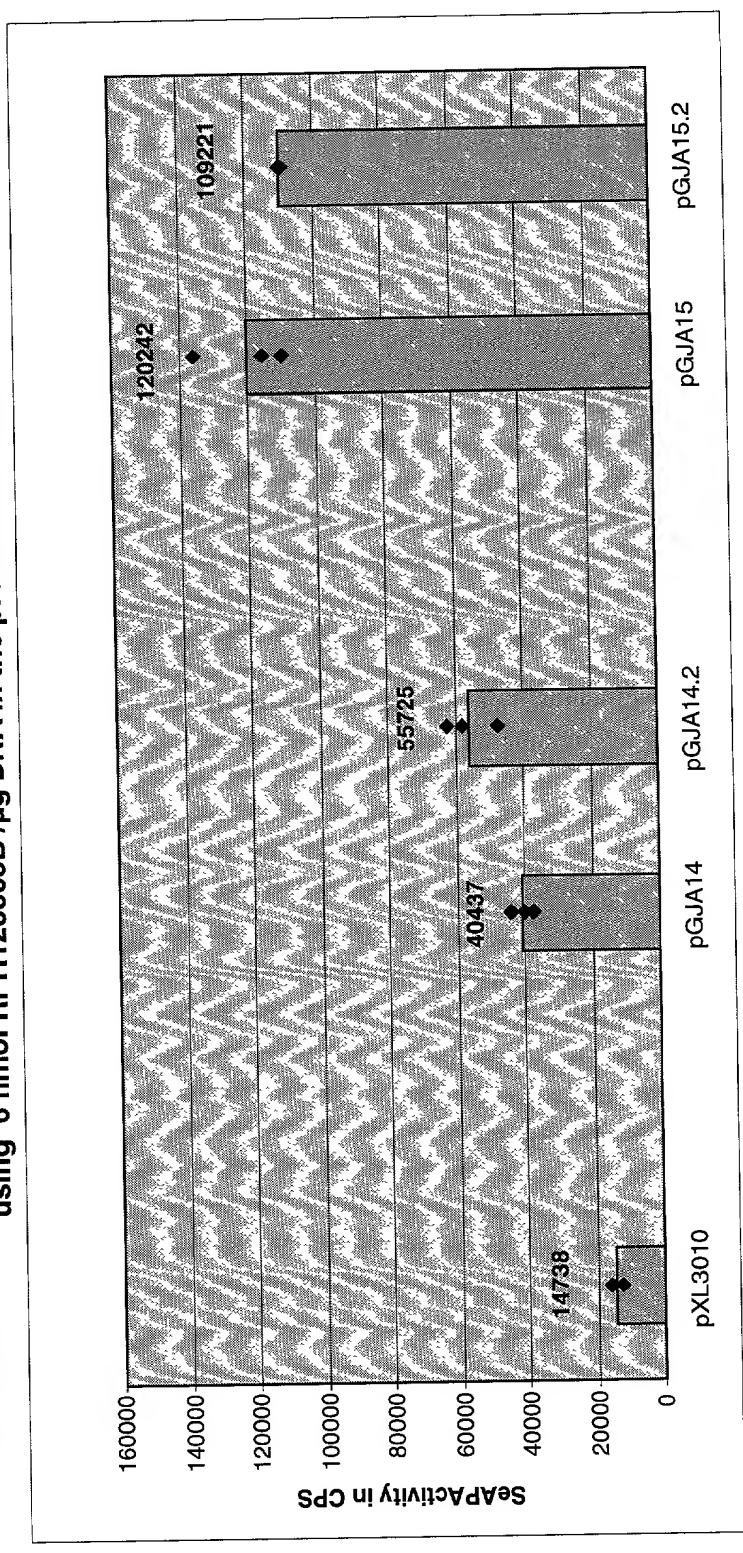
Evaluation of the control of the expression of SeAP with the combination of the SeAPantisense gene and the Tet Off system





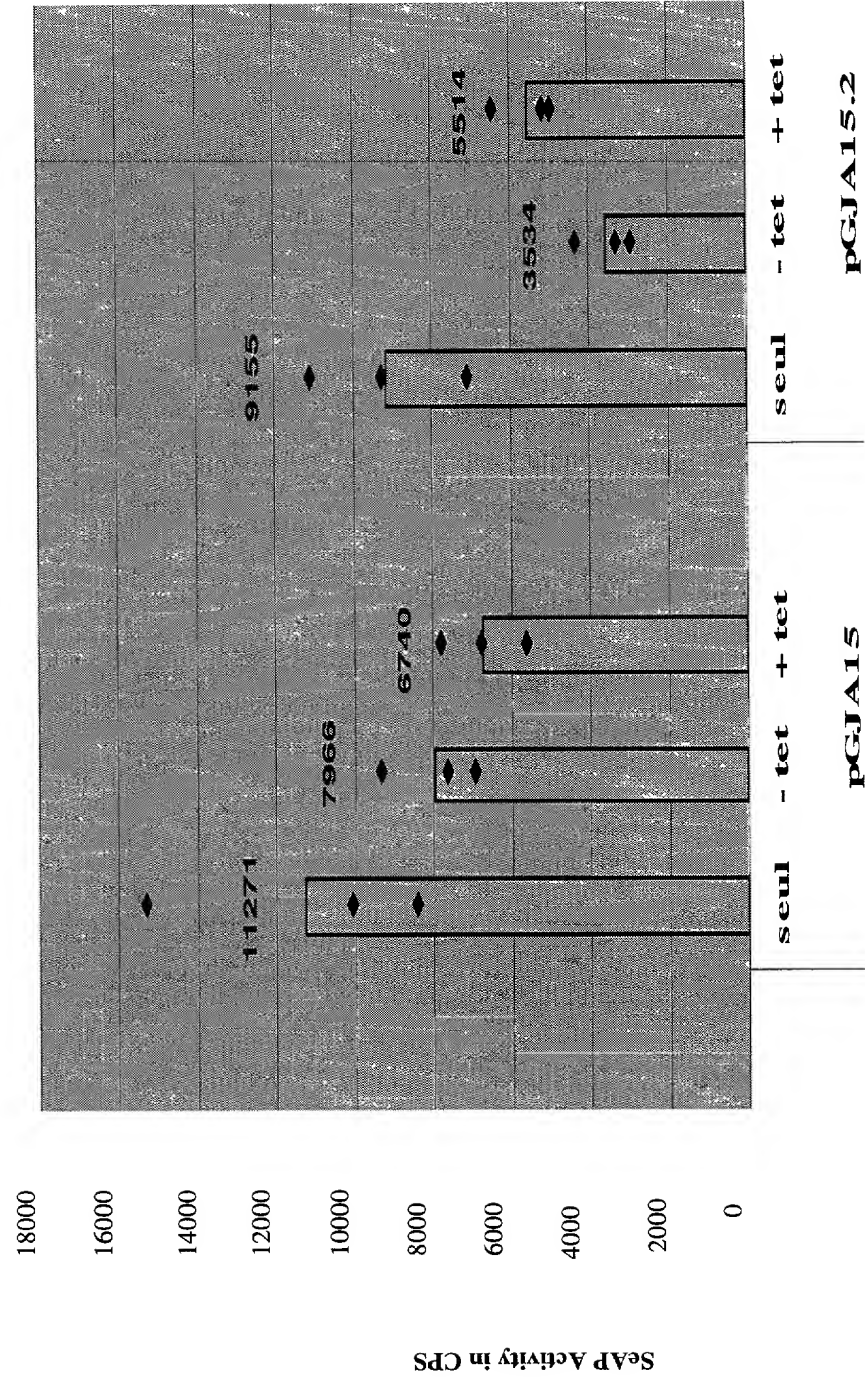
25/31

**FIGURE 21**  
Evaluation of the expression of SeAP 48h after transfection of NIH3T3  
using 6 nmol RPR120535B / $\mu$ g DNA in the presence of serum

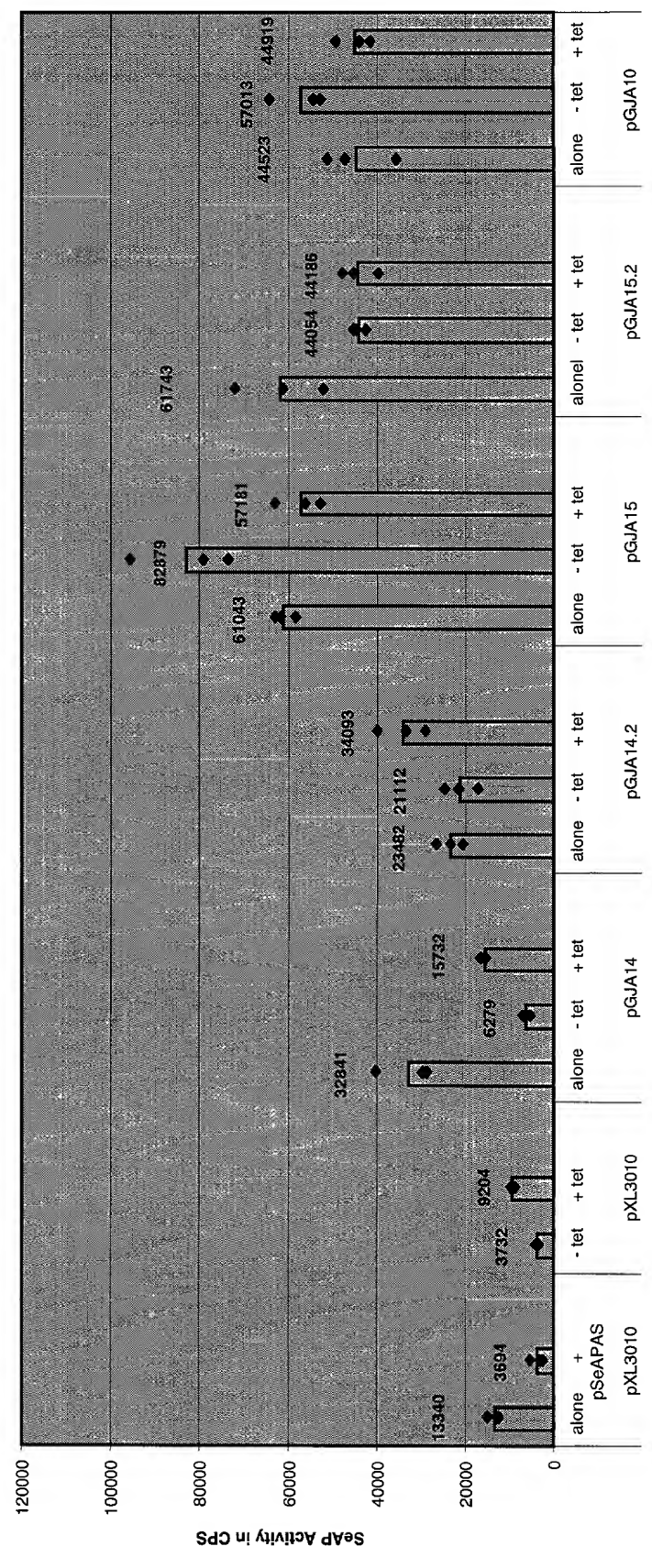


26/31

FIGURE 22



**FIGURE 23** Regulation of the expression of SeAP 48h after transfection of NIH3T3s using 6 nmol IPR120535B/ $\mu$ g of DNA in the presence of serum



28/31

**FIGURE 24** Decrease in background noise of the hPPARg2 system in C2C12 transfection, expression at day 5

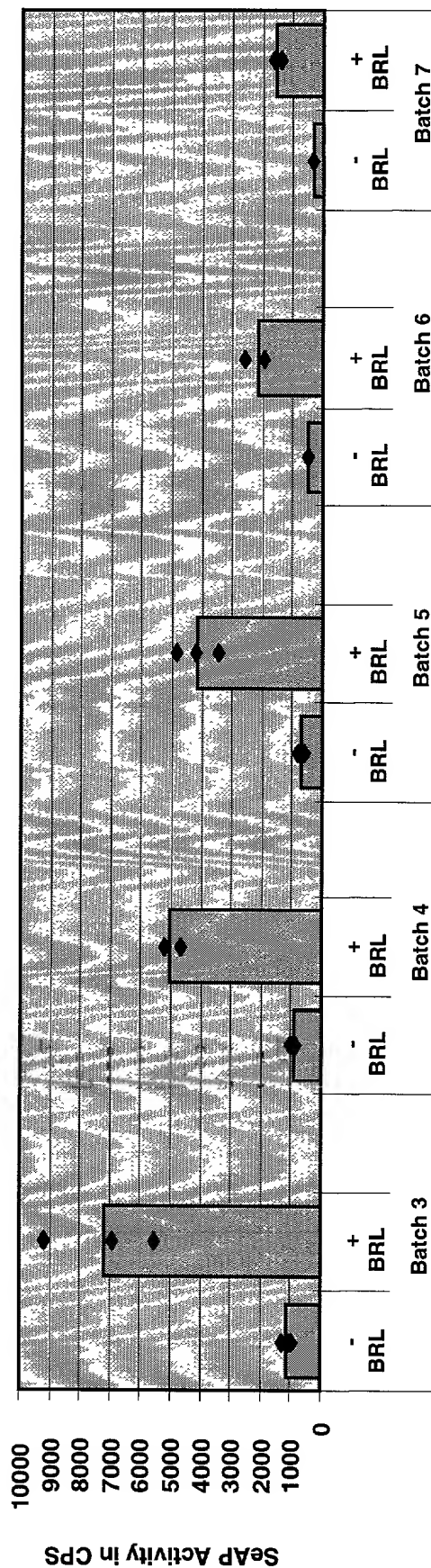
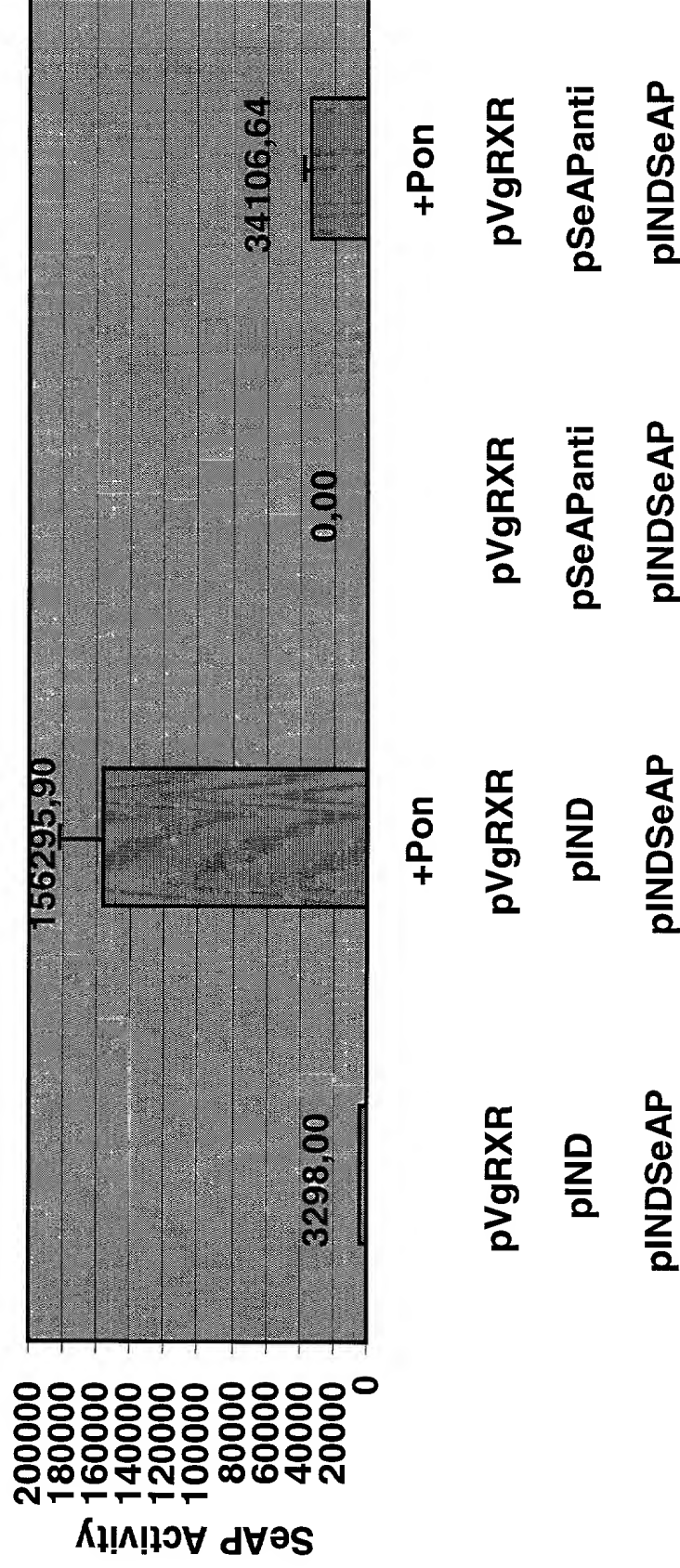


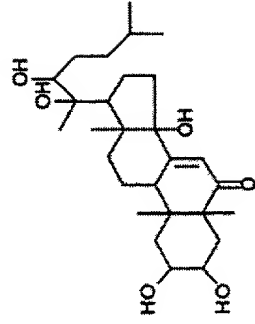
FIGURE 25

*NIH3T3 Transfection*



30/31

**FIGURE 26**



**ponasterone A**



FIGURE 27

